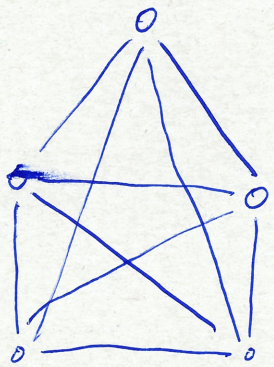
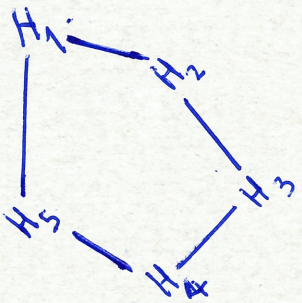
In graphs nodes are also called vertices.

G = Graph
V = Vertices
E = Edges





$E = \{\{H_1, H_2\}, \{H_1, H_5\},$

$G = (V, E)$

$V = \{H_1, H_2, H_3, H_4, H_5\}$